

1. (Currently Amended) A magnetic tape comprising:
  - a longitudinally extending nonmagnetic support;
  - a magnetic layer formed by depositing a plurality of evaporated magnetic films, each having an oblique column-like structure, on a principal surface of said nonmagnetic support so that a growth direction of each of said deposited evaporated magnetic films is opposite to said longitudinal direction, said magnetic layer having a double-layered structure composed of a lower magnetic thin film and an upper magnetic thin film;
  - a protective layer formed on said magnetic layer; and
  - a backcoating layer formed on the other surface of said nonmagnetic support,wherein,
  - a heat-shrinkage ratio in said longitudinal direction and a width direction is ~~defined to be~~ 0.50% or less,
  - a humidity expansion coefficient is ~~defined to be~~  $1 \times 10^{-6}/\%$  RH or less after stock at 100 °C and 5 %RH for 30 minutes,
  - a thickness of said nonmagnetic support is ~~defined to be~~ from 4.0 μm to 10.0 μm so that said heat-shrinkage ratio and said humidity expansion coefficient satisfy said conditions,
  - a thickness of said magnetic layer is ~~defined to be~~ from 10 nm to ~~75~~ less than 50 nm so that said heat-shrinkage ratio and said humidity expansion coefficient satisfy said conditions.
2. (Cancelled).
3. (Cancelled).
4. (Currently Amended) The magnetic tape according to claim 1, wherein:
  - a ratio of a total thickness of said magnetic tape to a thickness of said magnetic layer is ~~defined to be~~ 1000 or less so that said heat-shrinkage ratio and said humidity expansion coefficient satisfy said conditions.
5. (Original) The magnetic tape according to claim 1, wherein:
  - a width of said magnetic tape is defined to be 1.27 cm.

6. (Currently Amended) The magnetic tape according to claim 1, wherein:

~~a thickness of said nonmagnetic support is defined to be 4.0  $\mu$ m to 10.0  $\mu$ m;~~

~~a the thickness of said magnetic layer is defined to be from 10 nm to ~~75~~ 25 nm; and~~

a ratio of a total thickness of said magnetic tape to a thickness of said magnetic layer is defined to be 1000 or less so that said heat-shrinkage ratio and said humidity expansion coefficient satisfy said conditions.

7. (New) The magnetic tape according to claim 1, wherein:

the thickness of said magnetic layer from 10 nm to 25 nm.